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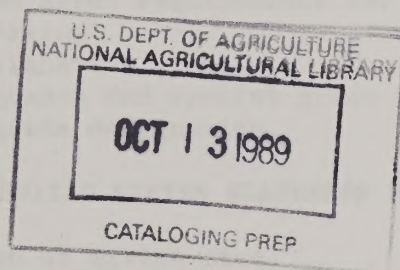
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UNITED STATES STANDARDS FOR RICE

**United States Department of Agriculture
Federal Grain Inspection Service
P.O. Box 96454
Washington, D.C. 20090-6454**



EFFECTIVE: July 1, 1989

UNITED STATES STANDARDS FOR WINE

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UNITED STATES STANDARDS FOR ROUGH RICE

NOTE TO THE SUBPART: Compliance with the provisions of these standards does not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act, or other Federal laws.

TERMS DEFINED

§ 68.201 Definition of rough rice.

Rice (Oryza sativa L.) which consists of 50 percent or more of paddy kernels (see § 68.202(i)) of rice.

§ 68.202 Definition of other terms.

For the purposes of these standards, the following terms shall have the meanings stated below:

- (a) Broken kernels. Kernels of rice which are less than three-fourths of whole kernels.
- (b) Chalky kernels. Whole or large broken kernels of the rice which are one-half or more chalky.
- (c) Classes. The following four classes:

- Long Grain Rough Rice
- Medium Grain Rough Rice
- Short Grain Rough Rice
- Mixed Rough Rice

Classes shall be based on the percentage of whole kernels, large broken kernels, and types of rice.

(1) "Long grain rough rice" shall consists of rough rice which contains more than 25 percent of whole kernels and which after milling to a well-milled degree, contains not more than 10 percent of whole or broken kernels of medium or short grain rice.

(2) "Medium grain rough rice" shall consist of rough rice which contains more than 25 percent of whole kernels and which after milling to a well-milled degree, contains not more than 10 percent of whole or large broken kernels of long grain rice or whole kernels of short grain rice.

(3) "Short grain rough rice" shall consist of rough rice which contains more than 25 percent of whole kernels and which, after milling to a well-milled degree, contains not more than 10 percent of whole or large broken kernels of long grain rice or whole kernels of medium grain rice.

(4) "Mixed rough rice" shall consist of rough rice which contains more than 25 percent of whole kernels and which, after milling to

a well-milled degree, contains not more than 10 percent of "other types" as defined in paragraph (h) of this section.

(d) Damaged kernels. Whole or broken kernels of rice which are distinctly discolored or damaged by water, insects, heat, or any other means, and whole or large broken kernels of parboiled rice in nonparboiled rice. "Heat-damaged kernels" (see paragraph (e) of this section) shall not function as damaged kernels.

(e) Heat-damaged kernels. Whole or large broken kernels of rice which are materially discolored and damaged as a result of heating, and whole or large broken kernels of parboiled rice in nonparboiled rice which are as dark as, or darker in color than, the interpretive line for heat-damaged kernels.

(f) Milling yield. An estimate of the quantity of whole kernels and total milled rice (whole and broken kernels combined) that are produced in the milling of rough rice to a well-milled degree.

(g) Objectionable seeds. Seeds other than rice, except seeds of Echinochloa crusgalli (commonly known as barnyard grass, watergrass, and Japanese millet).

(h) Other types.

(1) Whole kernels of:

(i) Long grain rice in medium or short grain rice,

(ii) Medium grain rice in long or short grain rice, or

(iii) Short grain rice in long or medium grain rice, and

(2) Large broken kernels of long grain rice in medium or short grain rice and large broken kernels of medium or short grain rice in long grain rice.

NOTE: Large broken kernels of medium grain rice in short grain rice and large broken kernels of short grain rice in medium grain rice shall not be considered other types.

(i) Paddy kernels. Whole or broken unhulled kernels of rice.

(j) Red rice. Whole or large broken kernels of rice on which there is an appreciable amount of red bran.

(k) Seeds. Whole or broken seeds of any plant other than rice.

(l) Smutty kernels. Whole or broken kernels of rice which are distinctly infected by smut.

(m) Types of rice. The following three types:

Long grain
Medium grain
Short grain

Types shall be based on the length-width ration of kernels of rice that are unbroken and the width, thickness, and shape of kernels of rice that are broken as prescribed in FGIS instructions.

(n) Ungelatinized kernels. Whole or large broken kernels of parboiled rice with distinct white or chalky areas due to incomplete gelatinization of the starch.

(o) Whole and large broken kernels. Rice (including seeds) that:

- (1) passes over a 6 plate (for southern production), or
- (2) remains on top of a 6 sieve (for western production).

(p) Whole kernels. Unbroken kernels of rice and broken kernels of rice which are at least three-fourths of an unbroken kernel.

(q) 6 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.0938 (6/64) inch in diameter.

(r) 6 plate. A laminated metal plate 0.142-inch thick, with a top laminated 0.051-inch thick, perforated with rows of round holes 0.0938 (6/64) inch in diameter, and a bottom lamina 0.091-inch thick, without perforations.

PRINCIPLES GOVERNING APPLICATION OF STANDARDS

§ 68.203 Basis of determination.

The determination of seeds, objectionable seeds, heat-damaged kernels, red rice and damaged kernels, chalky kernels, other types, color, and the special grade Parboiled rough rice shall be on the basis of the whole and large broken kernels of milled rice that are produced in the milling of rough rice to a well-milled degree. When determining class, the percentage of (a) whole kernels of rough rice shall be determined on the basis of the original sample, and (b) types of rice shall be determined on the basis of the whole and large broken kernels of milled rice that are produced in the milling of rough rice to a well-milled degree. Smutty kernels shall be determined on the basis of the rough rice after it has been cleaned and shelled as prescribed in FGIS instructions or by any method that is approved by the Administrator as giving equivalent results. All other determinations shall be on the basis of the original sample. Mechanical sizing of kernels shall be adjusted by handpicking as prescribed in FGIS instructions or by any method that is approved by the Administrator as giving equivalent results.

§ 68.204 Interpretive line samples.

Interpretive line samples showing the official scoring line for factors that are determined by visual examinations shall be maintained by the Federal Grain Inspection Service, U.S. Department of Agriculture, and shall be available for reference in all inspection offices that inspect and grade rice.

§ 68.205 Milling requirements.

In determining milling yield (see § 68.202(f)) in rough rice, the degree of milling shall be equal to, or better than, that of the interpretive line sample for "well-milled" rice.

§ 68.206 Milling yield determination.

Milling yield shall be determined by the use of an approved device in accordance with procedures prescribed in FGIS instructions. For the purpose of this paragraph, "approved device" shall include the McGill Miller No. 3 and any other equipment that is approved by the Administrator as giving equivalent results.

NOTE: Milling yield shall not be determined when the moisture content of the rough rice exceeds 18.0 percent.

§ 68.207 Moisture.

Water content in rough rice as determined by an approved device in accordance with procedures prescribed in FGIS instructions, for the purpose of this paragraph, "approved device" shall include the Motomco Moisture Meter and any other equipment that is approved by the Administrator as giving equivalent results.

§ 68.208 Percentages.

(a) Rounding. Percentages are determined on the basis of weight and are rounded as follows:

(1) When the figure to be rounded is followed by a figure greater than or equal to 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4, and 2.45 as 2.5.

(2) When the figure to be rounded is followed by a figure less than 5, retain the figure; e.g., report 8.34 as 8.3 and 1.22 as 1.2.

(b) Recording. All percentages, except for milling yield, are stated in whole and tenth percent to the nearest tenth percent. Milling yield is stated to the nearest whole percent.

§ 68.209 Information.

Requests for the Rice Inspection Handbook, Equipment Handbook, or for information concerning approved devices and procedures, criteria for approved devices, and requests for approval of devices should be directed to the U.S. Department of Agriculture, Federal Grain Inspection Service, P.O. Box 96454, Washington, DC 20090-6454, or any field office or cooperator.

GRADES, GRADE REQUIREMENTS, AND GRADE DESIGNATIONS

§ 68.210 Grades and grade requirements for the classes of rough rice.
(See also § 68.212.)

| GRADE | MAXIMUM LIMITS OF — | | | | | | | | | |
|-------------------|---|------------------------|------------------------|---------|---------|------------------------|---------|---------|---------|------------------------------------|
| | SEEDS AND HEAT-DAMAGED KERNELS | | | | | CHALKY KERNELS | | | | |
| | 1/ | | | | | 2/ | | | | |
| | Number in 500 grams | Number in 500 grams | Number in 500 grams | Percent | Percent | Number in 500 grams | Percent | Percent | Percent | COLOR REQUIREMENTS 1/ (MINIMUM) |
| U.S. No. 1 | 4 | 3 | 1 | 0.5 | 1.0 | 2.0 | 1.0 | 2.0 | 1.0 | Shall be white or creamy. |
| U.S. No. 2 | 7 | 5 | 2 | 1.5 | 2.0 | 4.0 | 2.0 | 4.0 | 2.0 | May be slightly gray. |
| U.S. No. 3 | 10 | 8 | 5 | 2.5 | 4.0 | 6.0 | 4.0 | 6.0 | 3.0 | May be light gray. |
| U.S. No. 4 | 27 | 22 | 15 | 4.0 | 6.0 | 8.0 | 6.0 | 8.0 | 5.0 | May be gray or slightly rosy. |
| U.S. No. 5 | 37 | 32 | 25 | 6.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | May be dark gray or rosy. |
| U.S. No. 6 | 75 | 75 | 75 | 15.0 3/ | 15.0 | 15.0 | 15.0 | 15.0 | 10.0 | May be dark gray or rosy. |
| U.S. Sample grade | U.S. Sample grade shall be rough rice which: (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 6, inclusive; (b) contains more than 14.0 percent of moisture; (c) is musty, or sour, or heating; (d) has any commercially objectionable foreign odor; or (e) is otherwise of distinctly low quality. | | | | | | | | | |

1/ For the special grade Parboiled rough rice, see § 68.212(b).

2/ These limits do not apply to the class Mixed Rough Rice.

3/ Rice in grade U.S. No. 6 shall contain not more than 6.0 percent of damaged kernels.

§ 68.211 Grade designation.

(a) The grade designation for all classes of rough rice, except Mixed Rough Rice, shall include in the following order:

- (1) The letters "U.S.";
- (2) the number of the grade or the words "Sample grade," as warranted;
- (3) the words "or better" when applicable and requested by the applicant prior to inspection;
- (4) the class;
- (5) each applicable special grade (see § 68.213); and
- (6) a statement of the milling yield.

(b) The grade designation for the class Mixed Rough Rice shall include, in the following order:

- (1) The letters "U.S.";
- (2) the number of the grade or the words "Sample grade," as warranted;
- (3) the words "or better," when applicable and requested by the applicant prior to inspection;
- (4) the class;
- (5) each applicable special grade (see § 68.213);
- (6) the percentage of whole kernels of each type in the order of predominance;
- (7) the percentage of large broken kernels of each type in the order of predominance;
- (8) the percent of material removed by the No. 6 sieve or the No. 6 sizing plate;
- (9) when applicable, the percentage of seeds; and
- (10) a statement of the milling yield.

NOTE: Large broken kernels other than long grain, in Mixed Rough Rice, shall be certificated as "medium or short grain."

SPECIAL GRADES, SPECIAL GRADE REQUIREMENTS,
AND SPECIAL GRADE DESIGNATIONS

§ 68.212 Special grades and requirements.

A special grade, when applicable, is supplemental to the grade assigned under § 68.210. Such special grades for rough rice are established and determined as follows:

(a) Infested rough rice. Tolerances for live insects for infested rough rice are defined according to sampling designations as follows:

(1) Representative sample. The representative sample consists of the work portion, and the file sample if needed and when available. The rough rice (except when examined according to paragraph (A)(3) of this section will be considered infested if the representative sample contains two or more live weevils, or one live weevil and one or more other live insects injurious to stored rice, or five or more other live insects injurious to stored rice.

(2) Lot as a whole (stationary). The lot as a whole is considered infested when two or more live weevils, or one live weevil and one or more other live insects injurious to stored rice, or five or more other live insects injurious to stored rice, or 15 or more live Angoumois moths or other live moths injurious to stored rice are found in, on, or about the lot.

(3) Sample as a whole during continuous loading/unloading. The minimum sample size for rice being sampled during continuous loading/unloading is 500 grams per each 100,000 pounds of rice. The sample as a whole is considered infested when a component (as defined in FGIS instructions) contains two or more live weevils, or one live weevil and one or more other live insects injurious to stored rice, or five or more other live insects injurious to stored rice.

(b) Parboiled rough rice. Parboiled rough rice shall be rough rice in which the starch has been gelatinized by soaking, steaming, and drying. Grades U.S. No. 1 to U.S. No. 6 inclusive, shall contain not more than 10.0 percent of ungelatinized kernels. Grades U.S. No. 1 and U.S. No. 2 shall contain not more than 0.1 percent, grades U.S. No. 3 and U.S. No. 4 not more than 0.2 percent, and grades U.S. No. 5 and U.S. No. 6 not more than 0.5 percent of nonparboiled rice. If the rice is:

(1) Not distinctly colored by the parboiling process, it shall be considered "Parboiled Light";

(2) distinctly but not materially colored by the parboiling process, it shall be considered "Parboiled";

(3) materially colored by the parboiling process, it shall be considered "Parboiled Dark."

The color levels for "Parboiled Light," "Parboiled," and "Parboiled Dark" rice shall be in accordance with the interpretive line samples for parboiled rice.

NOTE: The maximum limits for "Chalky kernels," "Heat-damaged kernels," "Kernels damaged by heat," and the "Color requirements" shown in § 68.210 are not applicable to the special grade "Parboiled rough rice."

(c) Smutty rough rice. Smutty rough rice shall be rough rice which contains more than 3.0 percent of smutty kernels.

§ 68.213 Special grade designation.

The grade designation for infested, parboiled, or smutty rough rice shall include, following the class, the word(s) "Infested," "Parboiled Light," "Parboiled," "Parboiled Dark," or "Smutty," as warranted, and all other information prescribed in § 68.211.

UNITED STATES STANDARDS FOR BROWN
RICE FOR PROCESSING

NOTE TO THE SUBPART: Compliance with the provisions of these standards does not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act, or other Federal Laws.

TERMS DEFINED

§ 68.251 Definition of brown rice for processing.

Rice (Oryza sativa L.) which consists of more than 50.0 percent of kernels of brown rice, and which is intended for processing to milled rice.

§ 68.252 Definition of other terms.

For the purposes of these standards, the following terms shall have the meanings stated below:

(a) Broken kernels. Kernels of rice which are less than three-fourths of whole kernels.

(b) Brown rice. Whole or broken kernels of rice from which the hulls have been removed.

(c) Chalky kernels. Whole or broken kernels of rice which are one-half or more chalky.

(d) Classes. There are four classes of brown rice for processing.

Long Grain Brown Rice for Processing.

Medium Grain Brown Rice for Processing.

Short Grain Brown Rice for Processing.

Mixed Brown Rice for Processing.

Classes shall be based on the percentage of whole kernels, broken kernels, and types of rice.

(1) "Long grain brown rice for processing" shall consist of brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and not more than 10.0 percent of whole or broken kernels of medium or short grain rice.

(2) "Medium grain brown rice for processing" shall consist of brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and not more than 10.0 percent of whole or broken kernels of long grain rice or whole kernels of short grain rice.

(3) "Short grain brown rice for processing" shall consist of brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and not more than 10.0 percent of whole or broken kernels of long grain rice or whole kernels of medium grain rice.

(4) "Mixed brown rice for processing" shall be brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and more than 10.0 percent of "other types" as defined in paragraph (i) of this section

(e) Damaged kernels. Whole or broken kernels of rice which are distinctly discolored or damaged by water, insects, heat, or any other means (including parboiled kernels in nonparboiled rice and smutty kernels). "Heat-damaged kernels" (see paragraph (f) of this section) shall not function as damaged kernels.

(f) Heat-damaged kernels. Whole or broken kernels of rice which are materially discolored and damaged as a result of heating and parboiled kernels in nonparboiled rice which are as dark as, or darker in color than, the interpretative line for heat-damaged kernels.

(g) Milling yield. An estimate of the quantity of whole kernels and total milled rice (whole and broken kernels combined) that is produced in the milling of brown rice for processing to a well-milled degree.

(h) Objectionable seeds. Whole or broken seeds other than rice, except seeds of Echinochloa crusgalli (commonly known as barnyard grass, watergrass, and Japanese millet).

(i) Other types.

(1) Whole kernels of:

- (i) Long grain rice in medium or short grain rice,
- (ii) Medium grain rice in long or short grain rice,
- (iii) Short grain rice in long or medium grain rice, and

(2) Broken kernels of long grain rice in medium or short grain rice and broken kernels of medium or short grain rice in long grain rice.

NOTE: Broken kernels of medium grain rice in short grain rice and broken kernels of short grain rice in medium grain rice shall not be considered other types.

(j) Paddy kernels. Whole or broken unhulled kernels and whole or broken kernels of rice having a portion or portions of the hull remaining which cover one-half (1/2) or more of the whole or broken kernels.

(k) Red rice. Whole or broken kernels of rice on which the bran is distinctly red in color.

(l) Related Material. All by-products of a paddy kernel, such as the outer glumes, lemma, palea, awn, embryo, and bran layers.

(m) Seeds. Whole or broken seeds of any plant other than rice.

(n) Smutty kernels. Whole or broken kernels of rice which are distinctly infected by smut.

(o) Types of rice. There are three types of brown rice for processing:

Long grain
Medium grain
Short grain

Types shall be based on the length-width ratio of kernels of rice that are unbroken and the width, thickness, and shape of kernels of rice that are broken as prescribed in FGIS instructions.

(p) Ungelatinized kernels. Whole or broken kernels of parboiled rice with distinct white or chalky areas due to incomplete gelantization of the starch.

(q) Unrelated material. All matter other than rice, related material, and seeds.

(r) Well-milled kernels. Whole or broken kernels of rice from which the hulls and practically all of the embryos and the bran layers have been removed.

(s) Whole kernels. Unbroken kernels of rice and broken kernels of rice which are at least three-fourths of an unbroken kernel.

(t) 6 plate. A laminated metal plate 0.142-inch thick, with a top lamina 0.051-inch thick, perforated with rows of round holes 0.0938 (6/64) inch in diameter, and a bottom lamina 0.091-inch thick, without perforations.

(u) 6 1/2 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.1016 (6 1/2 /64) inch in diameter.

PRINCIPLES GOVERNING APPLICATION OF STANDARDS

§ 68.253 Basis of determination.

The determination of kernels damaged by heat, heat-damaged kernels, parboiled kernels in nonparboiled rice, and the special grade Parboiled brown rice for processing shall be on the basis of the brown rice for processing after it has been milled to a well-milled degree. All other determinations shall be on the basis of the original sample. Mechanical sizing of kernels shall be adjusted by handpicking as prescribed in FGIS instructions or by any method which gives equivalent results.

§ 68.254 Broken kernels determination.

Broken kernels shall be determined by the use of equipment and procedures prescribed in FGIS instructions or by any method which gives equivalent results.

§ 68.255 Interpretive line samples.

Interpretive line samples showing the official scoring line for factors that are determined by visual observation shall be maintained by the Federal Grain Inspection Service, U.S. Department of Agriculture, and shall be available for reference in all inspection offices that inspect and grade rice.

§ 68.256 Milling requirements.

In determining milling yield (see § 68.252(g)) in brown rice for processing, the degree of milling shall be equal to, or better than, that of the interpretive line sample for "well-milled" rice.

§ 68.257 Milling yield determination.

Milling yield shall be determined by the use of an approved device in accordance with procedures prescribed in FGIS instructions. For the purpose of this paragraph, "approved device" shall include the McGill Miller No. 3 and any other equipment that is approved by the Administrator as giving equivalent results.

NOTE: Milling yield shall not be determined when the moisture content of the brown rice for processing exceeds 18.0 percent.

§ 68.258 Moisture.

Water content in brown rice for processing as determined by an approved device in accordance with procedures prescribed in FGIS instructions. For the purpose of this paragraph, "approved device" shall include the Motomco Moisture Meter and any other equipment that is approved by the Administrator as giving equivalent results.

§ 68.259 Percentages.

(a) Rounding. Percentages are determined on the basis of weight and are rounded as follows:

(1) When the figure to be rounded is followed by a figure greater than 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4, and 2.45 as 2.5.

(2) When the figure to be rounded is followed by a figure less than 5, retain the figure; e.g., report 8.34 as 8.3 and 1.22 as 1.2.

(b) Recording. All percentages, except for milling yield, are stated in whole and tenth percent to the nearest tenth percent. Milling yield is stated to the nearest whole percent.

§ 68.260 Information.

Requests for the Rice Inspection Handbook, Equipment Handbook, or for information concerning approved devices and procedures, criteria for approved devices, and requests for approval of devices should be directed to the U.S. Department of Agriculture, Federal Grain Inspection Service, P.O. Box 96454, Washington, DC 20090-6454, or any field office or cooperator.

GRADES, GRADE REQUIREMENTS, AND GRADE DESIGNATIONS

§ 68.261 Grade and grade requirements for the classes of brown rice for processing.
(See also § 68.263.)

| MAXIMUM LIMITS OF -- | | | | | | | | | | | | | |
|----------------------|---|--------------------------------|---------------------------|---------------------------|---|--------------------------------|--------------------|------------------|---------|---------|----------------|---------|---------|
| GRADE | PADDY KERNELS | SEEDS AND HEAT-DAMAGED KERNELS | | | RED RICE : AND DAMAGED: | | | BROKEN : KERNELS | | | WELL- : MILLED | | |
| | | TOTAL : (SINGLY OR : COMBINED) | HEAT- : DAMAGED : KERNELS | OBJEC- : TIONABLE : SEEDS | CHALKY : KERNELS : (SINGLY OR : COMBINED) | CHALKY : KERNELS : BY A 6 : 1/ | OTHER : TYPES : 3/ | PERCENT | PERCENT | PERCENT | PERCENT | PERCENT | PERCENT |
| U.S. No. 1 | --- | 20 | 1 | 2 | 1.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| U.S. No. 2 | 2.0 | --- | 2 | 10 | 2.0 | 4.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 3.0 |
| U.S. No. 3 | 2.0 | --- | 4 | 20 | 4.0 | 6.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 10.0 |
| U.S. No. 4 | 2.0 | --- | 8 | 35 | 8.0 | 8.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 10.0 |
| U.S. No. 5 | 2.0 | --- | 15 | 50 | 15.0 | 15.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 10.0 |
| U.S. Sample grade | U.S. Sample grade shall be brown rice for processing which (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 5, inclusive: (o) contains more than 14.5 percent of moisture; (c) is musty, or sour, or heating; (d) has any commercially objectionable foreign odor; (e) contains more than 0.2 percent of related material or more than 0.1 percent of unrelated material; (f) contains two or more live weevils or other live insects; or (g) is otherwise of distinctly low quality. | | | | | | | | | | | | |

1/ For the special grade Parboiled brown rice for processing, see § 68.263(a).

2/ Plates should be used for southern production rice and sieves should be used for western production rice, but any device or method which gives equivalent results may be used.

3/ These limits do not apply to the class Mixed Brown Rice for Processing.

§ 68.262 Grade designation.

(a) The grade designation for all classes of brown rice for processing, except Mixed Brown Rice for processing, shall include in the following order:

- (1) The letters "U.S.";
- (2) the number of the grade or the words "Sample grade," as warranted;
- (3) the words "or better," when applicable and requested by the applicant prior to inspection;
- (4) the class; and
- (5) each applicable special grade (see § 68.264).

(b) The grade designation for the class Mixed Brown Rice for Processing shall include in the following order:

- (1) The letters "U.S.";
- (2) the number of the grade or the words "Sample grade," as warranted;
- (3) the words "or better," when applicable and requested by the applicant prior to inspection;
- (4) the class;
- (5) each applicable special grade (see § 68.264);
- (6) the percentage of whole kernels of each type in the order of predominance; and when applicable;
- (7) the percentage of broken kernels of each type in the order of predominance; and
- (8) the percentage of seeds, related material, and unrelated material.

NOTE: Broken kernels other than long grain, in Mixed Brown Rice for Processing, shall be certificated as "medium or short grain."

SPECIAL GRADES, SPECIAL GRADE REQUIREMENTS, AND
SPECIAL GRADE DESIGNATIONS

§ 68.263 Special grades and special grade requirements.

A special grade, when applicable, is supplemental to the grade assigned under § 68.262. Such special grades for brown rice for processing are established and determined as follows:

(a) Parboiled brown rice for processing. Parboiled brown rice for processing shall be rice in which the starch as been gelatinized by soaking, steaming, and drying. Grades U.S. Nos. 1 to 5 inclusive shall contain not more than 10.0 percent of ungelatinized kernels. Grades U.S. No. 1 and U.S. No. 2 shall contain not more than 0.1 percent, grades U.S. No. 3 and U.S. No. 4 not more than 0.2 percent, and grade U.S. No. 5 not more than 0.5 percent of nonparboiled rice.

NOTE: The maximum limits for "chalky kernels," "Heat-damaged kernels," and "Kernels damaged by heat" shown in § 68.261 are not applicable to the special grade "Parboiled brown rice for processing."

(b) Smutty brown rice for processing. Smutty brown rice for processing shall be rice which contains more than 3.0 percent of smutty kernels.

§ 68.264 Special grade designation.

The grade designation for parboiled or smutty brown rice for processing shall include, following the class, the word(s) "Parboiled," or "Smutty," as warranted, and all other information prescribed in § 68.262.

UNITED STATES STANDARDS FOR MILLED RICE

NOTE TO THE SUBPART: Compliance with the provisions of these standards does not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act, or other Federal laws.

TERMS DEFINED

§ 68.301 Definition of milled rice.

Whole or broken kernels of rice (Oryza sativa L.) from which the hulls and at least the outer bran layers have been removed and which contain not more than 10.0 percent of seeds, paddy kernels, or foreign material, either singly or combined.

§ 68.302 Definition of other terms.

For the purposes of these standards, the following terms shall have the meanings stated below:

(a) Broken kernels. Kernels of rice which are less than three-fourths of whole kernels.

(b) Brown rice. Whole or broken kernels of rice from which the hulls have been removed.

(c) Chalky kernels. Whole or broken kernels of rice which are one-half or more chalky.

(d) Classes. There are seven classes of milled rice. The following four classes shall be based on the percentage of whole kernels, and types of rice:

Long Grain Milled Rice
Medium Grain Milled Rice
Short Grain Milled Rice
Mixed Milled Rice

The following three classes shall be based on the percentage of whole kernels and of broken kernels of different size:

Second Head Milled Rice
Screenings Milled Rice
Brewers Milled Rice

(1) "Long grain milled rice" shall consist of milled rice which contains more than 25.0 percent of whole kernels of milled rice and in U.S. Nos. 1 through 4 not more than 10.0 percent of whole or broken kernels of medium or short grain rice. U.S. No. 5 and U.S. No. 6 long grain milled rice shall contain not more than 10.0 percent of whole kernels of medium or short grain rice (broken kernels do not apply).

(2) "Medium grain milled rice" shall consist of milled rice which contains more than 25.0 percent of whole kernels of milled rice and in U.S. Nos. 1 through 4 not more than 10.0 percent of whole or broken kernels of long grain rice or whole kernels of short grain rice. U.S. No. 5 and U.S. No. 6 medium grain milled rice shall contain not more than 10.0 percent of whole kernels of long or short grain milled rice (broken kernels do not apply).

(3) "Short grain milled rice" shall consist of milled rice which contains more than 25.0 percent of whole kernels of milled rice and in U.S. Nos. 1 through 4 not more than 10.0 percent of whole or broken kernels of long grain rice or whole kernels of medium grain rice. U.S. No. 5 and U.S. No. 6 short grain milled rice shall contain not more than 10.0 percent of whole kernels of long or medium grain milled rice (broken kernels do not apply).

(4) "Mixed milled rice" shall consist of milled rice which contains more than 25.0 percent of whole kernels of milled rice and more than 10.0 percent of "other types" as defined in paragraph (i) of this section. U.S. No. 5 and U.S. No. 6 mixed milled rice shall contain more than 10.0 percent of whole kernels of "other types" (broken kernels do not apply).

(5) "Second head milled rice" shall consist of milled rice which, when determined in accordance with § 68.303, contains:

(i) Not more than;

(a) 25.0 percent of whole kernels,

(b) 7.0 percent of broken kernels removed by a
6 plate,

(c) 0.4 percent of broken kernels removed by a
5 plate, and

(d) 0.05 percent of broken kernels passing through a
4 sieve (southern production); or

(ii) Not more than;

(a) 25.0 percent of whole kernels,

(b) 50.0 percent of broken kernels passing through a
6 1/2 sieve, and

(c) 10.0 percent of broken kernels passing through a
6 sieve (western production).

(6) "Screenings milled rice" shall consist of milled rice which, when determined in accordance with § 68.303, contains:

(i) Not more than;

(a) 25.0 percent of whole kernels,

(b) 10.0 percent of broken kernels removed by a
5 plate, and

(c) 0.2 percent of broken kernels passing through a
4 sieve (southern production); or

(ii) Not more than;

(a) 25.0 percent of whole kernels,

(b) 15.0 percent of broken kernels passing through a
5 1/2 sieve; and more than

(c) 50.0 percent of broken kernels passing through a
6 1/2 sieve and,

(d) 10.0 percent of broken kernels passing through a
6 sieve (western production).

(7) "Brewers milled rice" shall consist of milled rice which, when determined in accordance with § 68.303, contains not more than 25.0 percent of whole kernels and which does not meet the kernel-size requirements for the class Second Head Milled Rice or Screenings Milled Rice.

(e) Damaged kernels. Whole or broken kernels of rice which are distinctly discolored or damaged by water, insects, heat or any other means, and parboiled kernels in nonparboiled rice. "Heat-damaged kernels" (see paragraph (g) of this section) shall not function as damaged kernels.

(f) Foreign material. All matter other than rice and seeds. Hulls, germs, and bran which have separated from the kernels of rice shall be considered foreign material.

(g) Heat-damaged kernels. Whole or broken kernels of rice which are materially discolored and damaged as a result of heating and parboiled kernels in nonparboiled rice which are as dark as, or darker in color than, the interpretive line for heat-damaged kernels.

(h) Objectionable seeds. Seeds other than rice, except seeds of Echinochloa crusgalli (commonly known as barnyard grass, watergrass, and Japanese millet).

(i) Other types.

(1) Whole kernels of:

(i) Long grain rice in medium or short grain rice,

(ii) Medium grain rice in long or short grain rice,

(iii) Short grain rice in long or medium grain rice, and

(2) Broken kernels of long grain rice in medium or short grain rice and broken kernels of medium or short grain rice in long grain rice, except in U.S. No. 5 and U.S. No. 6 milled rice. In U.S. No. 5 and U.S. No. 6 milled rice, only whole kernels will apply.

NOTE: Broken kernels of medium grain rice in short grain rice and broken kernels of short grain rice in medium grain rice shall not be considered other types.

(j) Paddy kernels. Whole or broken unhulled kernels of rice; whole or broken kernels of brown rice, and whole or broken kernels of milled rice having a portion or portions of the hull remaining which cover one-eighth (1/8) or more of the whole or broken kernel.

(k) Red rice. Whole or broken kernels of rice on which there is an appreciable amount of red bran.

(l) Seeds. Whole or broken seeds of any plant other than rice.

(m) Types of rice. There are three types of milled rice as follows:

Long grain
Medium grain
Short grain

Types shall be based on the length-width ratio of kernels of rice that are unbroken and the width, thickness, and shape of kernels that are broken, as prescribed in FGIS instructions.

(n) Ungelatinized kernels. Whole or broken kernels of parboiled rice with distinct white or chalky areas due to incomplete gelatinization of the starch.

(o) Well-milled kernels. Whole or broken kernels of rice from which the hulls and practically all of the germs and the bran layers have been removed.

NOTE: This factor is determined on an individual kernel basis and applies to the special grade Undermilled milled rice only.

(p) Whole kernels. Unbroken kernels of rice and broken kernels of rice which are at least three-fourths of an unbroken kernel.

(q) 5 plate. A laminated metal plate 0.142-inch thick, with a top lamina, 0.051-inch thick, perforated with rows of round holes 0.0781 (5/64) inch in diameter, 5/32 inch from center to center, with each row staggered in relation to the adjacent rows, and a bottom lamina 0.091-inch thick, without perforations.

(r) 6 plate. A laminated metal plate 0.142-inch thick, with a top lamina 0.051-inch thick, perforated with rows of round holes 0.0938 (6/64) inch in diameter, 5/32 inch from center to center, with each row staggered in relation to the adjacent rows, and a bottom lamina 0.091-inch thick, without perforations.

(s) 2 1/2 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.0391 (2 1/2/64) inch in diameter, 0.075-inch from center to center, with each row staggered in relation to the adjacent rows.

(t) 4 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.0625 (4/64) inch in diameter, 1/8 inch from center to center, with each row staggered in relation to the adjacent rows.

(u) 5 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.0781 (5/64) inch in diameter, 5/32 inch from center to center, with each row staggered in relation to the adjacent rows.

(v) 5 1/2 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.0859 (5 1/2/64) inch in diameter, 9/64 inch from center to center, with each row staggered in relation to the adjacent rows.

(w) 6 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.0938 (6/64) inch in diameter, 5/32 inch from center to center, with each row staggered in relation to the adjacent rows.

(x) 6 1/2 sieve. A metal sieve 0.032-inch thick, perforated with rows of round holes 0.1016 (6 1/2/64) inch in diameter, 5/32 inch from center to center, with each row staggered in relation to the adjacent rows.

(y) 30 sieve. A woven wire cloth sieve having 0.0234-inch openings, with a wire diameter of 0.0153 inch, and meeting the specifications of American Society for Testing and Materials Designation E-11-61, as prescribed in FGIS instructions.

PRINCIPLES GOVERNING APPLICATION OF STANDARDS

§ 68.303 Basis of determination.

All determinations shall be on the basis of the original sample. Mechanical sizing of kernels shall be adjusted by handpicking, as prescribed in FGIS instructions, or by any method which gives equivalent results.

§ 68.304 Broken kernels determination.

Broken kernels shall be determined by the use of equipment and procedures prescribed in FGIS instructions, or by any method which gives equivalent results.

§ 68.305 Interpretive line samples.

Interpretive line samples showing the official scoring line for factors that are determined by visual observation shall be maintained by the Federal Grain Inspection Service, U.S. Department of Agriculture, and shall be available for reference in all inspection offices that inspect and grade rice.

§ 68.306 Milling requirements.

The degree of milling for milled rice; i.e., "well milled," "reasonably well milled," and "lightly milled" shall be equal to, or better than, that of the interpretive line samples for such rice.

§ 68.307 Moisture.

Water content in milled rice as determined by an approved device in accordance with procedures prescribed in FGIS instructions. For the purpose of this paragraph, "approved device" shall include the Motomco Moisture Meter and any other equipment that is approved by the Administrator as giving equivalent results.

§ 68.308 Percentages.

(a) Rounding. Percentages are determined on the basis of weight and are rounded as follows:

(1) When the figure to be rounded is followed by a figure greater than or equal to 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4, and 2.45 as 2.5.

(2) When the figure to be rounded is followed by a figure less than 5, retain the figure; e.g., report 8.34 as 8.3 and 1.22 as 1.2.

(b) Recording. The percentage of broken kernels removed by a 5 plate in U.S. Nos. 1 and 2 Milled Rice and the percentage of objectionable seeds in U.S. No. 1 Brewers Milled Rice is reported to the nearest hundredth percent. The percentages of all other factors are recorded to the nearest tenth of a percent.

§ 68.309 Information.

Requests for the Rice Inspection Handbook, Equipment Handbook, or for information concerning approved devices and procedures, criteria for approved devices, and requests for approval of devices should be directed to the U.S. Department of Agriculture, Federal Grain Inspection Service, P.O. Box 96454, Washington, DC 20090-6454, or any field office or cooperator.

GRADES, GRADE REQUIREMENTS, AND GRADE DESIGNATIONS

§ 68.310 Grades and grade requirements for the classes Long Grain Milled Rice, Medium Grain Milled Rice, Short Grain Milled Rice, and Mixed Milled Rice. (See also § 68.315.)

| GRADE | MAXIMUM LIMITS OF -- | | | | | | | | | | | |
|-------------------|---|---------|---------|-------------------|---------|---------|----------------|---------|---------|----------------|---------|---|
| | SEEDS, HEAT-DAMAGED, AND PADDY KERNELS (SINGLY OR COMBINED) | | | CHALKY KERNELS 1/ | | | BROKEN KERNELS | | | OTHER TYPES 3/ | | |
| | NUMBER | PERCENT | PERCENT | NUMBER | PERCENT | PERCENT | NUMBER | PERCENT | PERCENT | NUMBER | PERCENT | PERCENT |
| U.S. No. 1 | 2 | 1 | 0.5 | 1.0 | 2.0 | 4.0 | 0.04 | 0.1 | 0.1 | --- | 1.0 | SHALL BE WHITE OR: WELL CREAMY |
| U.S. No. 2 | 4 | 2 | 1.5 | 2.0 | 4.0 | 7.0 | 0.06 | 0.2 | 0.2 | --- | 2.0 | MAY BE SLIGHTLY GRAY |
| U.S. No. 3 | 7 | 5 | 2.5 | 4.0 | 6.0 | 15.0 | 0.1 | 0.8 | 0.5 | --- | 3.0 | MAY BE LIGHT GRAY: REASONABLY WELL MILLED |
| U.S. No. 4 | 20 | 15 | 4.0 | 6.0 | 8.0 | 25.0 | 0.4 | 2.0 | 0.7 | --- | 5.0 | MAY BE GRAY OR SLIGHTLY ROSY |
| U.S. No. 5 | 30 | 25 | 4/ 6.0 | 10.0 | 10.0 | 35.0 | 0.7 | 3.0 | 1.0 | 10.0 | --- | MAY BE DARK GRAY: OR ROSY |
| U.S. No. 6 | 75 | 75 | 5/ 15.0 | 15.0 | 15.0 | 50.0 | 1.0 | 4.0 | 2.0 | 10.0 | --- | MAY BE DARK GRAY: OR ROSY |
| U.S. Sample grade | | | | | | | | | | | | does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 6, inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty or sour, or heating; (d) has any commercially objectionable foreign odor; (e) contains more than 0.1 percent of foreign material; (f) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (g) is otherwise of distinctly low quality. |

1/ For the special grade Parboiled milled rice, see § 68.315(c).

2/ Plates should be used for southern production rice; and sieves should be used for western production rice, but any device or method which gives equivalent results may be used.

3/ These limits do not apply to the class Mixed Milled Rice.

4/ For the special grade Undermilled milled rice, see § 68.315(d)

5/ Grade U.S. No. 6 shall contain not more than 6.0 percent of damaged kernels.

§ 68.311 Grades and Grade Requirements for the Class Second Head Milled Rice.
(See also § 68.305.)

| GRADE | MAXIMUM LIMITS OF -- | | | | | | COLOR REQUIREMENTS | MILLING REQUIREMENTS (MINIMUM) |
|-------------------|---|---|---------------------|----------------|----------------|----------------|------------------------------|--------------------------------|
| | SEEDS, HEAT-DAMAGED, AND PADDY KERNELS (SINGLY OR COMBINED) | RED RICE AND DAMAGED KERNELS (SINGLY OR COMBINED) | CHALKY KERNELS | CHALKY KERNELS | CHALKY KERNELS | CHALKY KERNELS | | |
| | TOTAL | HEAT-DAMAGED KERNELS AND OBJECTIONABLE SEEDS | NUMBER IN 500 GRAMS | PERCENT | PERCENT | PERCENT | 1/ | 2/ |
| U.S. No. 1 | 15 | 5 | 1.0 | 4.0 | 4.0 | 4.0 | Shall be white or creamy | Well milled |
| U.S. No. 2 | 20 | 10 | 2.0 | 6.0 | 6.0 | 6.0 | May be slightly gray | Well milled |
| U.S. No. 3 | 35 | 15 | 3.0 | 10.0 | 10.0 | 10.0 | May be light gray | Reasonably well milled |
| U.S. No. 4 | 50 | 25 | 5.0 | 15.0 | 15.0 | 15.0 | May be gray or slightly rosy | Reasonably well milled |
| U.S. No. 5 | 75 | 40 | 10.0 | 20.0 | 20.0 | 20.0 | May be dark gray or rosy | Lightly milled |
| U.S. Sample grade | U.S. Sample grade shall be milled rice of this class which; (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 5 inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty, or sour, or heating; (d) has any commercially objectionable foreign odor; (e) contains more than 0.1 percent of foreign material; (f) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (g) is otherwise or distinctly low quality. | | | | | | | |

1/ For the special grade Parboiled milled rice, see § 68.315(c).

2/ For the special grade Undermilled milled rice, see § 68.315(d).

§ 68.312 Grades and Grade Requirements for the Class Screenings Milled Rice.
(See also § 68.315.)

| | MAXIMUM LIMITS OF -- | | | | MILLING REQUIREMENTS (MINIMUM) |
|-------------------|---|-------------------|---|---------------------------|--------------------------------------|
| | PADDY KERNELS AND SEEDS | CHALKY KERNELS | COLOR REQUIREMENTS | 1/ 2/ | |
| | TOTAL : OBJECTION- (SINGLY OR : ABLE SEEDS : COMBINED) : | PERCENT | | | |
| | NUMBER IN : 500 GRAMS : | PERCENT | | | |
| U.S. No. 1 | 30 | 5.0 | Shall be white or creamy | Well milled | |
| U.S. No. 2 | 75 | 8.0 | May be slightly gray | Well milled | |
| U.S. No. 3 | 125 | 12.0 | May be light gray : or slightly rosy : | Reasonably well milled | |
| U.S. No. 4 | 175 | 20.0 | May be gray or rosy | Reasonably well milled | |
| U.S. No. 5 | 250 | 30.0 | May be dark gray : or very rosy : | Lightly milled | |
| U.S. Sample grade | U.S. Sample grade shall be milled rice of this class which: (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No.5 inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty, or sour, or heating; (d) has any commercially objectionable foreign odor; (e) has a badly damaged or extremely red appearance; (f) contains more than 0.1 percent of foreign material; (g) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (h) is otherwise of distinctly low quality. | | | | |

1/ For the special grade Parboiled milled rice see § 68.315(c).

2/ For the special grade Undermilled milled rice see § 68.315(d).

3/ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 3.0 percent of heat-damaged kernels, kernels damaged by heat and/or parboiled kernels in nonparboiled rice.

4/ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 1.0 percent of material passing through a 30 sieve.

§ 68.313 Grades and Grade Requirements for the Class Brewers Milled Rice.
(See also § 68.315.)

| GRADE | MAXIMUM LIMITS OF -- | | | COLOR REQUIREMENTS 1/ | MINIMUM MILLING REQUIREMENTS 2/ |
|-------------------------|---|--------------------------------------|--------------------------|---|---------------------------------------|
| | PADDY KERNELS AND SEEDS | TOTAL : (SINGLY OR : COMBINED) | OBJECTIONABLE : SEEDS | | |
| | PERCENT | PERCENT | | | |
| U.S. No. 1 <u>3/ 4/</u> | 0.5 | 0.05 | | Shall be white : or creamy | Well milled |
| U.S. No. 2 <u>3/ 4/</u> | 1.0 | 0.1 | | May be slightly : gray | Well milled |
| U.S. No. 3 <u>3/ 4/</u> | 1.5 | 0.2 | | May be light gray : or slightly rosy | Reasonably well : milled |
| U.S. No. 4 <u>3/ 4/</u> | 3.0 | 0.4 | | May be gray or : rosy | Reasonably well : milled |
| U.S. No. 5 | 5.0 | 1.5 | | May be dark gray : or very rosy | Lightly milled |
| U.S. Sample grade | U.S. Sample grade shall be milled rice of this class which: (a) : does not meet the requirements for any of the grades from U.S. : No. 1 to U.S. No. 5, inclusive; (b) contains more than 15.0 : percent of moisture; (c) is musty, or sour, or heating; (d) : has any commercially objectionable foreign odor; (e) has a : badly damaged or extremely red appearance; (f) contains more : than 0.1 percent of foreign material; (g) contains more than : 15.0 percent of broken kernels that will pass through a 2 1/2 : sieve; (h) contains two or more live or dead weevils or other : insects, insect webbing, or insect refuse; or (i) is otherwise : of distinctly low quality. | | | | |

1/ For the special grade Parboiled milled rice see § 68.315(c)

2/ For the special grade Undermilled milled rice see § 68.315(d).

3/ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 3.0 percent of heat-damaged kernels, kernels damaged by heat and/or parboiled kernels in nonparboiled rice.

4/ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 1.0 percent of material passing through a 30 sieve. This limit does not apply to the special grade Granulated brewers milled rice.

§ 68.314 Grade designations

(a) The grade designation for all classes of milled rice, except Mixed Milled Rice, shall include in the following order:

- (1) The letters "U.S.";
- (2) the number of the grade or the words "Sample grade," as warranted;
- (3) the words "or better," when applicable and requested by the applicant prior to inspection;
- (4) the class; and
- (5) each applicable special grade (see § 68.316).

(b) The grade designation for the class Mixed Milled Rice shall include, in the following order:

- (1) The letters "U.S.";
- (2) the number of the grade or the words "Sample grade," as warranted;
- (3) the words "or better," when applicable and requested by the applicant prior to inspection;
- (4) the class;
- (5) each applicable special grade (see § 68.316);
- (6) the percentage of whole kernels of each type in the order of predominance and when applicable;
- (7) the percentage of broken kernels of each type in the order of predominance; and
- (8) the percentage of seeds and foreign material.

NOTE: Broken kernels other than long grain, in Mixed Milled Rice, shall be certificated as "medium or short grain."

SPECIAL GRADES, SPECIAL GRADE REQUIREMENTS,
AND SPECIAL GRADE DESIGNATIONS

§ 68.315 Special grades and special grade requirements.

A special grade, when applicable, is supplemental to the grade assigned under § 68.314. Such special grades for milled rice are established and determined as follows:

(a) Coated milled rice. Coated milled rice shall be rice which is coated, in whole or in part, with substances that are safe and suitable as defined in the regulation issued pursuant to the Federal Food, Drug, and Cosmetic Act at 21 CFR 130.3(d).

(b) Granulated brewers milled rice. Granulated brewers milled rice shall be milled rice which has been crushed or granulated so that 95.0 percent or more will pass through a 5 sieve, 70.0 percent or more will pass through a 4 sieve, and not more than 15.0 percent will pass through a 2 1/2 sieve.

(c) Parboiled milled rice. Parboiled milled rice shall be milled rice in which the starch has been gelatinized by soaking, steaming, and drying. Grades U.S. No. 1 to U.S. No. 6, inclusive, shall contain not more than 10.0 percent of ungelatinized kernels. Grades U.S. No. 1 and U.S. No. 2 shall contain not more than 0.1 percent, grades U.S. No. 3 and U.S. No. 4 not more than 0.2 percent, and grades U.S. No. 5 and U.S. No. 6 not more than 0.5 percent of nonparboiled rice. If the rice is:

(1) Not distinctly colored by the parboiling process, it shall be considered "Parboiled Light";

(2) distinctly but not materially colored by the parboiled process, it shall be considered "Parboiled";

(3) materially colored by the parboiling process, it shall be considered "Parboiled Dark."

The color levels for "Parboiled Light," "Parboiled," and "Parboiled Dark" shall be in accordance with the interpretive line samples for parboiled rice.

NOTE: The maximum limits for "Chalky kernels," "Heat-damaged kernels," "Kernels damaged by heat," and the "Color requirements" in §§ 68.310, 68.311, 68.312, and 68.313 are not applicable to the special grade "Parboiled milled rice."

(d) Undermilled milled rice. Undermilled milled rice shall be milled rice which is not equal to the milling requirements for "well milled," "reasonably well milled," and "lightly milled" rice (see § 68.306). Grades U.S. No. 1 and U.S. No. 2 shall contain not more than 2.0 percent, grades U.S. No. 3 and U.S. No. 4 not more than 5.0 percent, grade U.S. No. 5 not more than 10.0 percent, and grade U.S. No. 6 not more than 15.0 percent of well-milled kernels. Grade U.S. No. 5 shall contain not more than 10.0 percent of red rice and damaged kernels (singly or combined) and in no case more than 6.0 percent of damaged kernels.

NOTE: The "Color and milling requirements" in §§ 68.310, 68.311, 68.312, and 68.313 are not applicable to the special grade "Undermilled milled rice."

§ 68.316 Special grade designation.

The grade designation for coated, granulated brewers, parboiled, or undermilled milled rice shall include, following the class, the word(s) "Coated," "Granulated," "Parboiled Light," "Parboiled," "Parboiled Dark," or "Undermilled," as warranted, and all other information prescribed in § 68.314.

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